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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/594,273	07/24/2007	Tetsuzo Miki	296975US0X PCT	3412	
22859 7559 066992010 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, L.L.P. 1940 DUKE: STREET ALEXANDRIA, VA 22314			EXAM	EXAMINER	
			CROUSE, BRETT ALAN		
			ART UNIT	PAPER NUMBER	
			1786		
			NOTIFICATION DATE	DELIVERY MODE	
			06/09/2010	ELECTRONIC	

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com oblonpat@oblon.com jgardner@oblon.com

## Application No. Applicant(s) 10/594,273 MIKLET AL. Office Action Summary Examiner Art Unit Brett A. Crouse 1786 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 26 September 2006. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-4 is/are pending in the application. 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration. 5) Claim(s) \_\_\_\_\_ is/are allowed. 6) Claim(s) 1-4 is/are rejected. 7) Claim(s) \_\_\_\_\_ is/are objected to. 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some \* c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). \* See the attached detailed Office action for a list of the certified copies not received.

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) Information Disclosure Statement(e) (FTO/SE/DE)

Paper No(s)/Mail Date 20070109;20080229.

Attachment(s)

Interview Summary (PTO-413)
 Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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#### DETAILED ACTION

### Claim Rejections - 35 USC § 102

 The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent of 20 a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(e) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- Claims 1-4 are rejected under 35 U.S.C. 102(e) as being anticipated by Qiu et al., US 7.227.027.

### Oiu teaches:

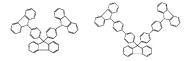
Column 5, line 14 through column 6, line 23, formula (III), teaches carbazole derivatives of formula (III).

<u>Column 6. lines 24-29</u>, teach an electroluminescent device comprising the compound of formula (III) and a triplet emissive dopant in the emissive layer.

Columns 13/14, provide exemplified compounds of formula (III). Compounds (28) and (29) are shown below.

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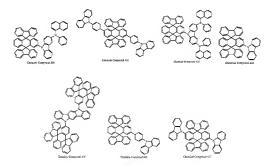


 Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Kim et al., US 2004/0023060.

Kim teaches:

Paragraphs [0043]-[0047], teach compounds of formula (I).

<u>Paragraph [0048]</u>, provides exemplified compounds of formula (I). Compounds 306 and 402-407 are reproduced below.



Paragraphs [071]-[0077], figures 1-6, teach electroluminescent device structure.

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<u>Paragraph [0099]</u>, teaches compounds of formula can be used as host materials in the light emitting layer.

<u>Paragraph [0102]</u>, teaches phosphorescent dopants can be used in conjunction with the compounds of formula (I).

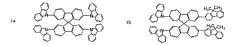
 Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Suzuki et al., WO 2004/020373.

## Suzuki teaches:

Page 4, line 27 through page 6, line 13, formulae [I] and [II], teaches compounds of formulae [I] and [II].

Page 15, compounds 14 and 15, teach exemplified compounds of formula [I].

Compounds 14 and 15 are reproduced below.



<u>Page 19, compound 30</u>, provides an exemplified compound of formula [II]. Compound 30 is reproduced below.

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Page 20, line 15 through page 21, line 2, teach an electroluminescent device comprising a compound of formulae [I] or [II] in the light emitting layer.

Page 64, line 1, through page 65, line 12, example 54, teaches a compound of formula [I] in combination with the phosphorescent dopant Ir(ppy)<sub>3</sub> in the light emitting layer.

 Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Sato et al., JP 2002-008860.

### Sato teaches:

Claims 1, 3, 4, 5, teach a composition of a carbazole derivative of formulae (II) and (II') in combination with metal containing compounds in the light emitting layer of an electroluminescent device.

Paragraph [0049], provides exemplified compounds of formula (II). Attention is directed to compound (H-11), shown below.

<u>Paragraphs [0056]-[0057]</u>, provide exemplified metal containing compounds of formula (IV).

<u>Paragraphs [0083], [0091]</u>, teach as part of the working examples the inclusion of phosphorescent dopants into a light emitting layer which further comprises a compound of the formula (II).

### Contact Information

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brett A. Crouse whose telephone number is (571)-272-6494. The examiner can normally be reached on Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, D. Lawrence Tarazano can be reached on 571-272-1515. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/B. A. C./ Examiner, Art Unit 1794 /D. Lawrence Tarazano/ Supervisory Patent Examiner, Art Unit 1786